

Coronis 5MP (MFGD-5421)

5 MegaPixel premium diagnostic grayscale display system



The high-grade Coronis 5MP display system offers unsurpassed film-like images with ultra-high resolution, luminance and contrast . The 21.3" LCD provides unequaled image quality without pixelization, a wide viewing angle and perfect geometry.

The Coronis 5MP display system includes:

- One or more 5 MegaPixel flat panel displays
- MediCal QAWeb software for automated calibration and Quality Assurance
- A BarcoMed PCIe display controller

Check the compatibility matrix for more info about alternative display controllers.

Technical specifications

Screen technology	TFT AM LCD Dual Domain IPS
Active screen size (diagonal)	541 mm (21.3")
Active screen size (H x V)	422 x 378 mm (16.6 x 13.3")
Aspect ratio (H:V)	5:4
Resolution	5MP (2560 x 2048)
Pixel pitch	0.1650 mm
Color imaging	No
Gray imaging	Yes
Number of grayscales (LUT in/LUT out)	1024 grey levels (10/10)
Viewing angle (H, V)	170°
Uniform Luminance Technology (ULT)	No
Per Pixel Uniformity (PPU)	No
Ambient Light Compensation (ALC)	No
Backlight Output Stabilization (BLOS)	No
I-Guard	Yes
Maximum luminance	900 cd/m ²
DICOM calibrated luminance (ULT off)	500 cd/m ²
Contrast ratio (ULT off)	800:1
Response time (Tr + Tf)	50 ms
Scanning frequency (H; V)	30-150 kHz; 15-80 Hz
Housing color	Gray
Video input signals	DVI-D Dual Link
Video inout terminals	NA
USB ports	1 upstream, 2 downstream
USB standard	1.1
Power requirements (nominal)	100-240V
Power consumption (nominal)	72W
Power save mode	Yes
Power management	DVI-DMPM

Dot clock	280 MHz
OSD languages	English
Dimensions with stand (W x H x D)	Portrait: 408 x 582~642 x 250 mm Landscape: 493 x 508~568 x 250 mm
Dimensions w/o stand (W x H x D)	Portrait: 408 x 493 x 114 mm Landscape: 493 x 408 x 114 mm
Dimensions packaged (W x H x D)	519 x 339 x 699 mm
Net weight with stand	13.5 kg
Net weight w/o stand	9.4 kg
Net weight packaged with stand	15.3 kg
Net weight packaged w/o stand	11.2 kg
Height adjustment range	60 mm
Tilt	-5° / +30°
Swivel	-45° / +45°
Pivot	90°
Mounting standard	VESA (100 mm)
Screen protection	Protective, non-reflective glass cover
Recommended modalities	CT, MR, US, DR, CR, NM, Film
Certifications	UL 60601-1 1ST EDITION, CAN/CSA-C22.2 NO. 601.1-M90 IEC 60601-1 2ND ED:1988 + A1:1991 + A2:1995, IEC 60950-1:2001 1ST EDITION, CE - 2004/108/EC, DEMKO - EN 60601-1, CCC - GB9254-2008 + GB4943-2001 + GB17625.1-2003, KCC, VCCI, FCC class A, FDA, VCCI, RoHS
Supplied accessories	User manual Video cable (DVI Single Link) Main cables (European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA 5-15P), Chinese (CCC)) External power supply
Optional accessories	NA
QA software	MediCal QAWeb

Units per pallet	NA
Pallet dimensions (W x H)	NA
Warranty	5 years